

AMENDMENTS

IN THE CLAIMS:

Please cancel claims 4, 6 and 19-26 without prejudice or disclaimer.

Please amend claims 1 and 7 as provided below.

1. (Currently amended) A system for evaluating optical proximity corrected (OPC) designs, comprising:
an analysis system for performing measurements relating to at least one segment of a feature;
wherein the analysis system is configured to determine a first image corresponding to the at least one segment of the feature, the analysis system determines a second image to facilitate analysis of the first image, the analysis system evaluates OPC designs based upon comparisons of the first and second images, wherein the second image is determined from a corresponding segment of another feature having a different mask fabrication process.
2. (Original) The system of claim 1 wherein the analysis system is a CD-SEM system.
3. (Original) The system of claim 1 wherein the second image is determined from a corresponding segment of another feature having a different OPC design.
4. (Canceled).
5. (Original) The system of claim 1 wherein the evaluation of OPC designs is determined by graphical comparisons of the first and second images.
6. (Canceled).

7. (Currently amended) The system of claim 6 1 wherein the evaluation of OPC designs is determined by graphical comparisons of the first image and the second image.

8. (Original) The system of claim 1 wherein the evaluation of OPC designs is determined by a regression analysis.

9. (Original) The system of claim 1 wherein the comparison of the first and second image is based upon a digital subtraction.

10. (Original) The system of claim 1 wherein the comparison of the first and second image provides information relating to corner rounding, end rounding or structure pull-back.

11. (Original) The system of claim 1 wherein the at least one segment is determined manually.

12. (Original) The system of claim 1 wherein the first and second image are aligned with respect to one another by minimizing a sum of the squares distance between the respective images.

13. (Original) The system of claim 1 wherein the image of the feature is determined from a sequence of measurements that are recorded over a distance.

14-26. (Canceled).